

Datathon 2024: Judging Criteria - Preliminary Round

CATEGORY	SCORING				
	Poor (0-3 points)	Fair (4-7 points)	Good (8-11 points)	Very Good (12-16 points)	Exceptional (17-20 points)
DATA STORYTELLING (30%)					
Identification of problem statement/objective	Participants fail to demonstrate a clear understanding of the trading objectives. The problem statement lacks relevance or is described in vague terms. For example, participants may overlook how market volatility or price movement thresholds play a role in trading.	Participants show some effort in defining the problem, but their understanding is surface-level. The objectives are broad or only partially related to the datathon's focus, such as addressing only generic trends without specificity.	Participants define the problem clearly, showcasing a solid understanding of factors influencing price movement. They address questions like factor significance or volatility periods but may not go deeper into the implications.	Participants exhibit a thorough understanding of the problem by addressing significant challenges and aligning their problem statement with actionable insights, such as volatility behavior or thresholds impacting trading strategies.	Participants demonstrate deep and critical thinking by presenting a well-articulated problem statement. They connect their objectives to larger financial contexts, including potential implications for trading models and cross-domain applications
Data visualisation	Participants fail to use effective visualizations. Their charts or graphs are either unclear or do not highlight critical trading-related insights, such as market trends during volatility.	Participants create visualizations that are somewhat relevant but lack clarity or depth. They may use basic tools to create charts but fail to explore key trading metrics like price thresholds or factor impacts.	Participants present clear and accurate visualizations that effectively communicate trends, patterns, or thresholds in price movement. Their visualizations align with the datathon objectives.	Participants deliver polished, insightful visualizations that emphasize important trading patterns, such as behavior during volatile and stable periods. Creativity and technical skill are evident.	Participants produce highly innovative and impactful visualizations that connect multiple aspects, such as factor analysis, volatility trends, and actionable trading insights. Their work demonstrates mastery of visualization

					tools and storytelling.
Originality and Creativity	Participants provide solutions that lack originality. Their approaches are generic and fail to address the trading-specific challenges of the datathon.	Participants demonstrate some creativity, but their solutions do not fully align with the datathon objectives. Their work lacks unique features or innovative methods.	Participants present original ideas with creative approaches to problem-solving. Their solutions align well with trading goals, showcasing unique perspectives.	Participants provide highly creative and well-aligned solutions, incorporating unique tools or methods that are tailored to the trading context.	Participants demonstrate exceptional creativity, proposing groundbreaking ideas or innovative tools that set new standards for solving trading challenges.
TECHNICAL (40%)					
Technical Complexity	Participants use techniques or tools that are flawed or do not function properly. Their models lack the sophistication or scalability required for trading scenarios.	Participants employ basic techniques that work but show limited understanding of advanced concepts like backtesting or forward testing. Scalability and efficiency are minimal.	Participants implement technically sound methods, such as appropriate trading models or basic statistical approaches. Their solutions meet quality standards but do not push technical boundaries.	Participants apply advanced techniques, such as explainable machine learning models, rolling z-scores, or robust backtesting frameworks. Their solutions demonstrate strong technical knowledge.	Participants present cutting-edge technical solutions, integrating novel algorithms or tools that address trading challenges in innovative ways.
Data handling	Participants fail to preprocess data effectively. Critical steps like transformations (e.g.,	Participants show some effort in preprocessing data but miss key aspects like rolling calculations or	Participants preprocess data effectively, applying necessary transformations and appropriately handling	Participants demonstrate thorough data handling, addressing all potential issues and applying	Participants exhibit exceptional attention to detail, using innovative preprocessing methods tailored to

	log, square root) or handling time-series data are ignored, resulting in flawed analysis.	addressing data quality issues.	time-series data. They address most data quality issues.	advanced preprocessing techniques. Their work ensures high data integrity.	trading-specific data. They masterfully prepare the dataset for robust analysis.
Data analysis	Participants show minimal understanding of the data. Their analysis techniques are inappropriate, and they fail to identify meaningful insights or trading metrics.	Participants conduct basic analysis, but their insights lack depth and relevance to the trading objectives. Errors or omissions are present.	Participants apply suitable techniques to analyze data effectively, identifying key trends and metrics like Sharpe ratio or max drawdown.	Participants perform comprehensive analysis, uncovering meaningful patterns and relationships. Their work is accurate, relevant, and insightful.	Participants conduct in-depth analysis with exceptional depth and accuracy, integrating advanced techniques to deliver critical trading insights.
RECOMMENDATION (20%)					
Impact and Value	Participants provide recommendations that are irrelevant or ineffective. Their solutions fail to address trading objectives or may negatively impact strategy outcomes.	Participants' recommendations have limited impact, addressing trading challenges superficially or inefficiently.	Participants deliver recommendations that effectively solve the problem and add significant trading value. Their solutions are practical and actionable.	Participants propose innovative and impactful recommendations that align closely with trading objectives and profitability.	Participants present transformative recommendations that redefine trading strategies, offering exceptional value and feasibility.
Relevance	Participants provide recommendations that are misaligned with trading objectives or	Participants' recommendations are somewhat relevant but contain significant	Participants deliver relevant recommendations that address trading	Participants' solutions are highly relevant and address trading challenges	Participants provide perfectly relevant, unbiased recommendations that

	biased.	biases or misalignment.	objectives effectively, with minimal biases.	comprehensively.	tackle all aspects of trading challenges precisely.
PRESENTATION (10%)					
Presentation of the solution	Participants deliver disorganized presentations with incomplete dashboards that fail to communicate the solution.	Participants' presentations are basic, with some structure but limited insights or poorly executed visuals.	Participants provide well-organized presentations with relevant dashboards and clear articulation of trading insights.	Participants deliver polished, professional presentations that are engaging and include creative dashboards.	Participants' presentations are highly professional and cohesive, integrating polished dashboards, equity curves, and detailed assumptions seamlessly.